

AMENDMENTS TO THE SPECIFICATION

Page 1, lines 21 – 25:

FSS applications include electromagnetic filtering devices for reflector antenna systems, radomes, absorbers, and artificial electromagnetic bandgap materials. The majority of FSS designs have been considered for microwave and millimeter wave applications, however the concept is scalable to higher frequency ranges such as infrared and even optical frequencies. Figures 20A – 20C show three conventional devices, namely electromagnetic reflector 300, electromagnetic absorber 308, and antenna 310 respectively), each including a conventional FSS, the antenna also including radiative element 314. Figure 20A shows absorber 300 comprising FSS 302, dielectric layer 304, and ground plane 306.

Page 8, line 5:

Figure 18B shows corresponding transmission spectra; [[and]]

Page 8, lines 6-7:

Figure 19 shows a unit cell configuration incorporating four different types of chemoresistive switches into a cross-dipole array; and [.]

Page 8, line 8 insert:

Figures 20A – 20C show a conventional electromagnetic reflector, electromagnetic absorber, and antenna.